DECLARATION OF MITCHELL F. BRIN
(37 C.F.R. section 1.132)

I Mitchell F. Brin declare as follows:

1. I am a citizen of the Unites States and presently reside in Newport Beach, California.

2. I am over the age of twenty one, competent to testify in a court of law, and could and would testify to the matters set forth below before the United States Patent and Trademark Office, if required to do so.

3. I understand that this declaration will be used to assist prosecution of one or more of the following related patent applications:
(1) United States patent application serial number 10/933,723, including to assist to overcome a rejection in the December 15, 2006 office action in serial number 10/933,723;
(2) United States patent application serial number 10/443,593, including to assist to overcome a rejection in the November 13, 2006 office action in serial number 10/443, 593;
(3) United States patent application serial number 10/726,904, including to assist to overcome a rejection in the December 15, 2006 office action in serial number 10/726,904;
(4) United States patent application serial number 10/460,898, including to assist to overcome a rejection in the November 13, 2006 office action in serial number 10/460,898, and;
(5) United States patent application serial number 10/461,829.

4. I graduated from the University of Pennsylvania in 1975 with a bachelor of arts in biology (Magna Cum Laude and Phi Beta Kappa) and I received an M.D. degree from the Columbia College of Physicians and Surgeons in 1979. I was a medical intern at the Mount Sinai Hosptial and School of Medicine from 1979 to 1980. I was a neurology

resident from 1980 to 1983 at the Neurological Institute of the Presbyterial Medical Center of New York City and I was a Fellow at the Columbia University Neurological Institute from 1983 to 1986, carrying out research on the treatment of movement disorders with botulinum toxins. During the period of 1986 through 1994, I was an Assistant Professor of Clinical Neurology and Assistant Professor of Neurology at the Columbia University College of Physicians and Surgeons. At this time, I also served in the capacity of the Coordinator of the Dystonia Clinical Research Center.

5. In 1994, I joined the Mount Sinai Medical Center and School of Medicine as an Associate Professor and Director of the Movement Disorders Program where I continued my professional activities through 2000. I also served as Director of Movement Disorders and held the Bachmann-Strauss Endowed Chair in Neurology. I continue as an Adjunct Professor of Neurology at the Mount Sinai School of Medicine and became a faculty member at the University of California, Irvine, School of Medicine in 2002, as a Clinical Professor of Neurology.

6. I founded the American Academy of Neurology course on botulinum toxin, and I have organized numerous courses and symposia on botulinum toxin, and published extensively on the subject of therapeutic use of the botulinum toxins.

7. I am Founder and Past President of WE MOVE (Worldwide Education and Awareness in Movement Disorders) which is an international professional and patient educational not-for-profit organization that focuses on movement disorders. I also serve on the board of directors of the Bachmann-Strauss Dystonia and Parkinson Foundations and have served on the Board of the Exceptional Parent Foundation. I serve on the Executive Committee of the United States Pharmacopeial Convention (USP) Council of Experts, and I am the Chair of the Neurology, Otolaryngology and Ophthalmology Expert Committee of the USP. I am a member of: the American Academy of Neurology Section on Movement Disorders and Co-Founder of the Dystonia Study Group; the United States Interagency Botulism Research Coordinating

Committee, and; the University of California, Irvine, Dean of Biology's Leadership Council.

8. I have served on the editorial and peer-review boards of numerous scientific journals and on the steering committee of the World Congress on Disabilities. I am a Fellow of the American Academy of Neurology; a recipient of the FDA Commissioner's Special Citation for work with neurological movement disorders; and a recipient of the Distinguished Service and Honor Award from the American Academy of Otolaryngology-Head & Neck Surgery.

9. I was one of the first investigators to examine the use of botulinum toxin for the treatment of medical disorders and I pioneered the use of botulinum toxin for the treatment of dystonias, including blepharospasm and other debilitating neurological disorders. I have designed and conducted double blind studies examining the use of botulinum toxin for numerous conditions and have conducted numerous multicenter studies for uses of botulinum toxin.

10. Over the course of my career, I have received research funding from numerous public (e.g., National Institutes of Health, Food and Drug Administration) and private sources (e.g., not-for-profit patient Foundations, Industry grants, etc.) to further an understanding of medical disease, development of therapeutics, conduct clinical trials, and provide education about medical illnesses. Specific to the study of botulinum toxin, I have been funded by the Dystonia Medical Research Foundation, National Institutes of Health, Food and Drug Administration, Bachmann-Strauss Foundation, Allergan Inc., Athena Neurosciences, and Ipsen Pharmaceuticals. Specifically with regard to Allergan Inc., beginning in about 1990 I received several unrestricted medical grants to study various therapeutic uses of Botox® (Botulinum toxin type A purified neurotoxin complex). Additionally, between 1997 and 2000 I attended a number of Botox® advisory board and technology update meetings sponsored by Allergan and signed confidential disclosure agreements so that I could participate in these meetings.

11. Since about 1984 (including during 1993) I have diagnosed and treated many patients with botulinum toxin to treat a variety of disorders and conditions including hyperhydrosis, cervical dystonia (spasmodic torticollis), tardive dyskinesia, essential tremor, spasmodic dysphonia, smooth muscle spasm, temporal mandibular disorder, muscle spasm pain (including smooth muscle spasm pain), spasticity, swallowing disorders, and headache, including migraine headache and tension headache. I have administered different serotypes of botulinum toxin to patients.

12. A partial list of my publications is attached to this declaration as Attachment 1. These publications include Jankovic J, and Brin M., *Therapeutic Uses of Botulinum Toxin*, New Eng J. Med, 1186-1194;1991, which is cited on page 2 of each of the five pending patent applications cited in paragraph 3 above.

13. By training and experience I am an expert in the therapeutic use of the botulinum toxins.

14. I have been an employee of Allergan, Inc. of Irvine, California ("Allergan") since January 2001. My current position with Allergan is Senior Vice President, Development and Therapeutic Area Head, Botox® and Neurology. In this position I oversee the Botox® development portfolio, and direct clinical programs for uses of botulinum toxin. Allergan is the assignee of the patent applications cited in paragraph 3 above, as well as of their common parent application, U.S. application serial number 08/173,996, which has a filing date of December 28, 1993 and which is referred to hereafter as "the '996 application".

15. I have read the '996 application and in my opinion a physician of ordinary ability with knowledge of or experience using a botulinum toxin (the "Physician") would in December 1993 have very clearly realized upon reading the '996 application that the '996 patent application describes methods for treating at least hyperhydrosis, cervical dystonia, tardive dyskinesia, essential tremor, spasmodic dysphonia, smooth muscle spasm, temporal mandibular disorder, muscle spasm pain, including smooth muscle

spasm pain, spasticity, swallowing disorders, and headache (the Disorders") by administration of just the neurotoxic component of a botulinum toxin complex to a patient with one or more of the Disorders.

16. I base my opinion in paragraph 15 above on the following facts:

(1) page 3, lines 5-24 of the '996 application discloses that:

(a) there is a neurotoxic component of a botulinum toxin;

(b) the neurotoxic component has a molecular weight of about 150 kD;

(c) the 150 kD neurotoxic component can be in the form of a dichain, that is comprising a 50 kD short chain and a 100 kD long chain, and;

(d) the neurotoxic component is responsible for the toxic properties of a botulinum toxin.

(2) the matters set forth in paragraph 16(1) (a) to (d) above were also facts already established in the literature and therefore known to the Physician. See for example page 6 of Simpson L., *Current Concepts of the Mechanism of Action of Clostridial Neurotoxins*, in DasGupta B., Botulinum and Tetanus Neurotoxins, Plenum Press, New York (1993) (attached as Attachment 2), and; page 82 of Schantz E., et al., *Properties and use of botulinum toxin and other microbial neurotoxins in medicine,* Microbiol Rev 1992 Mar;56(1):80-99 (attached as Attachment 3).

(3) significantly, page 3, lines 5-24 of the '996 application discloses that use of the neurotoxic component (in either it's single or dichain forms) is "useful in the method of the present invention" thereby directly and immediately telling the Physician that the neurotoxic component can be used to treat the Disorders.

(4) on page 5, at lines 16-21 of the specification it is disclosed that a botulinum toxin is a zinc endopeptidase. The Physician would readily understand this to mean that it is the neurotoxic component of a botulinum toxin that is the zinc endopeptidase, and this is taught by the literature as well. See for example Schiavo G., et al., *Botulinum*

Neurotoxins are Zinc Proteins, J Biol Chem 1992 Nov; 267(33): 23479-83 (attached as Attachment 4).

17. It is also my opinion that the Physician upon reading the '996 application in December 1993 would have been able with little or no difficulty to obtain the neurotoxic component of a botulinum toxin so as to be able to use the neurotoxic component to treat a patient with one or more of the Disorders.

18. I base my opinion in paragraph 17 above on the following facts:

(a) the '996 application states on page 4, lines 9-12 that a botulinum toxin can be purified in accordance with known techniques. It was known to the Physician in 1993 that the neurotoxic component of a botulinum toxin could be obtained by running a botulinum toxin complex through a protein separation resin (such as a Sephadex gel) in an alkaline pH buffer. See for example Wagman J. et al., *Botulinum Type A toxin: properties of a toxic dissociation product*, Arch Biochem Biophys 1953; 45: 375-383 (attached as Attachment 5); DasGupta B., et al., *Separation of toxin and Hemagglutinin from crystalline toxin of Clostridium botulinum type A by anion exchange chromatography and determination of their dimensions by gel filtration*, J Biol Chem 1968 Mar 10; 243(5): 1065-72 (attached as Attachment 6); Schantz E., *Use of crystalline type A botulinum toxin in medical research*, being pages 143-150 of in Lewis G., Biomedical aspects of botulism, Academic Press, New York (1981, page 143 (attached as Attachment 7); Borodic, G., et al., *Clinical and scientific aspects of botulinum A toxin*, Ophthalm Clinics of N America 1991 Sep; 4(3): 491-503 (attached as Attachment 8), and; Schantz (1992) (Attachment 3). Thus, it was well known to the Physician, as indicated by the '996 application, that the neurotoxic component could be purified from a botulinum toxin complex

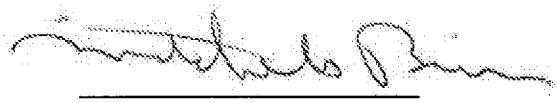
(b) additionally, it was known to the Physician that the neurotoxic component of a botulinum toxin was available for purchase simply by ordering it from a commercial supplier, such as Sigma.

(c) the '996 application gives particulars as to how a physician can administer the neurotoxic component on pages 7-8 of the specification (in the Detailed Description section of the specification) and the Physician would be aware of techniques for administration of the neurotoxic component, such as by intramuscular or subcutaneous administration.

19. To reiterate, it is my opinion that the Physician after reading the '996 application would have very clearly realized that the '966 application sets forth methods for treating a patient afflicted with one or more of the Disorders using the neurotoxic component of a botulinum toxin, and that the Physician would have been able to easily proceed to treat a patient suffering from a Disorder with the neurotoxic component of a botulinum toxin based on the disclosure and guidance provided in the '996 application.

20. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity and/or enforceability of the instant patent application or any patent issuing thereon.

Executed this 28th day of March 2007 in Irvine, California.



Mitchell F. Brin

Mitchell F. Brin, M.D

PUBLICATIONS:

A. Original, Peer Reviewed Reports:

1. Wormser GP, Donath J, Kennish A, Brin MF, Sanders M. Fatal pneumonia. NYS J Med 1981;1088-1089.

2. Brin MF, Fetell MR, Green PHA, Kayden HJ, Hays AP, Behrens MM, Baker H. Blind loop syndrome, vitamin E malabsorption, and spinocerebellar degeneration. Neurology 1985;35:338-342.

3. Bressman S, Fahn S, Eisenberg M, Brin M, Maltese W. Biotin-responsive encephalopathy with myoclonus, ataxia, and seizures. Adv Neurology 1985;43:119-125

4. Lange DJ, Warner C, Brin M, List T, Fahn S, Lovelace RE. Botulinum toxin therapy: distant effects on neuromuscular transmission. Muscle Nerve 1985;8:624-625.

5. Blitzer A, Lovelace RE, Brin MF, Fahn S, Fink ME. Electromyographic findings in focal laryngeal dystonia (spastic dysphonia). Ann Oto, Rhino, and Laryngoscope 1985; 94:591-594.

6. Brin MF, Pedley TA, Lovelace RE, Emerson RG, Gouras P, MacKay C, Kayden HJ, Levy J, Baker H. Electrophysiological features of abetalipoproteinemia: functional consequences of vitamin E deficiency. Neurology 1986; 36:669-673.

7. Breakefield XO, Bressman SB, Kramer PL, Ozelius LO, Moskowitz C, Tanzi R, Brin MF, Hobbs W, Kaufman D, Kidd KK, Fahn S, Gusella J. Linkage analysis in a family with dominantly inherited torsion dystonia: Exclusion of the pro-opiomelanocortin and glutamic acid decarboxylase genes, and other chromosomal regions using DNA polymorphisms. J Neurogenetics 1986;3:159-175.

8. Burke RE, Brin MF, Fahn S, Bressman SB, Moskowitz C. An analysis of the clinical course of non-Jewish autosomal dominant torsion dystonia. Movement Disorders 1986;1:163-178.

9. Blitzer A, Brin MF, Fahn S, Lange D, Lovelace RE. Botulinum toxin for the treatment of spastic dysphonia. Laryngoscope 1986;96:1300-1301.

10. Lange DJ, Brin M, Warner C, Fahn S, Lovelace RE. Distant effects of local injections of botulinum toxin. Muscle Nerve 1987;10:552-555.

11. Brin MF, Fahn S, Moskowitz CB, Blitzer A, Friedman A, Shale HM, Greene PE, List T, Lange D, Lovelace RE, McMahon D. Localized injections of botulinum toxin for the treatment of focal dystonia and hemifacial spasm. Movement Disorders 1987;2:237-254.

12. de Yebenes JG, Brin MF, Mena MA, De Felipe C, del Rio MR, Bazan E, Martinez A, Fahn

S, del Rio J, Vazquez A. Neurochemical findings in neuroacanthocytosis. Movement Disorders 1988;3:300-312.

13. Blitzer AB, Brin MF, Fahn S, Lovelace RE. Localized injections of botulinum toxin for the treatment of focal laryngeal dystonia (spastic dysphonia). Laryngoscope 1988;98:193-197.

14. Blitzer AB, Brin MF, Fahn S, Lovelace RE. Clinical and laboratory characteristics of laryngeal dystonia: A study of 110 cases. Laryngoscope 1988; 98:636-640.

15. Vatassery GT, Brin MF, Fahn S, Kayden HJ, Traber MG. Effect of high doses of dietary vitamin E on concentrations of vitamin E in several brain regions, plasma, liver and adipose tissue. J Neurochem 1988;51:621-623.

16. Kaplan JG, Pack MD, Horoupian D, DeSouza T, Brin MF, Schaumburg H. Distal axonopathy associated with chronic gluten enteropathy: A treatable disorder. Neurology 1988;38:642-645.

17. Younger DS, Chou S, Hays AP, Lange DJ, Emerson R, Brin MF, Thompson H, Rowland, LP. Primary lateral sclerosis: A clinical diagnosis re-emerges. Arch Neurol 1988;45:1304-7.

18. Shoulson I, Fahn S, Langston JW: Conference report of first symposium on etiology, pathogenesis and prevention of Parkinson's disease. Archives of Neurology 1988; 45:807-811.

19. Blitzer A, Brin MF, Fahn S. Botulinum toxin injection for the treatment of oromandibular dystonia. Ann Oto Rhino Laryngol 1989;98:93-97.

20. Brin MF, Blitzer A, Fahn S, Gould W, Lovelace RE. Adductor laryngeal dystonia (spastic dysphonia): Treatment with local injections of botulinum toxin (BOTOX). Movement Disorders 1989;4:287-296.

21. Ozelius L, Kramer PL, Moskowitz CB, Kwaitkowski J, Brin MF, Bressman SB, Schuback DE, Falk CT, Risch N, de Leon D, Burke RE, Haines J, Gusella JF, Fahn S, Breakefield XO. Human gene for torsion dystonia located on chromosome 9q32-q34. Neuron 1989;2:1427-1434.

22. Bressman SB, de Leon D, Brin MF, Risch N, Burke RE, Greene PE, Shale H, Fahn S. Idiopathic dystonia among Ashkenazi Jews: Evidence for autosomal dominant inheritance. Ann Neurol 1989;26:612-620.

23. Brin MF, Fahn, S, Loftus S, McMahon D, Flaster E. Relationship between dose of vitamin E administered and blood level. Ann NY Acad Sci 1989;570:421-424.

24. Parkinson Study Group. DATATOP: A multi-center controlled clinical trial in early Parkinson's disease, Archives of Neurology 1989; 46:1052-1060.

25. Parkinson Study Group. Effect of deprenyl on the progression of disability in early

Parkinson's disease. New England Journal of Medicine 1989; 321:1364-1371.

26. Shoulson I and the Parkinson Study Group. Deprenyl and tocopherol antioxidative therapy of parkinsonism (DATATOP). Acta Neurol. Scandinavica (Supplement 126) 1989; 80:171-175.

27. Kramer PL, de Leon D, Ozelius L, Risch N, Brin MF, Bressman SB, Burke RE, Kwiatkowski DJ, Schuback DE, Shale H, Gusella JF, Breakefield XO, Fahn S. Dystonia gene in Ashkenzi Jewish population located on chromosome 9q32-34. Ann Neurol 1990;27:114-120.

28. Greene P, Kang U, Fahn S, Brin MF, Moskowitz C, Flaster. Double-blind, placebo controlled trial of botulinum toxin injection for the treatment of spasmodic torticollis. Neurology 1990;40:1213-1218.

29. Risch NJ, Bressman SB, de Leon D, Brin MF, Burke RE, Greene PE, Shale H, Claus E, Cupples LA, Fahn S. Segregation analysis of idiopathic torsion dystonia in Ashkenazi Jews suggests autosomal dominant inheritance. Am J Hum Genet 1990;46:533-538.

30. American Academy of Neurology. Assessment: The clinical usefulness of botulinum toxin-A in treating neurological disorders; Report of the Therapeutics and Technology Assessment Subcommittee Committee of the American Academy of Neurology. (MF Brin, Facilitator of report) Neurology, 1990;40:1332-1336.

31. American Academy of Otolaryngology-Head and Neck Surgery. Academy policy statement: Botox for spasmodic dysphonia. AAO-HNS Bulletin 1990;9:8.

32. Jankovic J, McDermott M, Carter J, Gauthier S, Goetz C, Golbe L, Huber S, Koller W, Olanow C, Shoulson I, Stern M, Tanner C, Weiner W and the Parkinson Study Group. Variable expression of Parkinson's disease: a base-line analysis of the DATATOP cohort. Neurology 1990; 40:1529-1534.

33. Shoulson, I, Fahn S, Oakes D, Lang A, Langston JW, LeWitt P, Olanow W, Penney, JB, Tanner C: Deprenyl for the treatment of early Parkinson's disease (letter). New England Journal of Medicine 1990; 322:1527-1528.

34. Saint-Hilaire MH, Burke RE, Bressman SB, Brin MF, Fahn S. Delayed onset dystonia due to perinatal or early childhood asphyxia. Neurology, 1991;41:216-222.

35. Blitzer A, Brin MF. Laryngeal dystonia: a series with botulinum toxin therapy. Ann Oto Rhino Laryngol 1991; 100:85-89.

36. Lange DJ, Rubin M, Greene PE, Kang UJ, Moskowitz CB, Brin MF, Lovelace RE, Fahn S. Distant effects of locally injected botulinum toxin: A double-blind study of single fiber EMG changes. Muscle Nerve 1991;14:672-675.

37. Jankovic J, Brin MF. Therapeutic applications of botulinum toxin. NEJM 1991;324:1186-1194.

38. Kwaitkowski DJ, Nygaard TG, Schuback DE, Perman S, Trugman JM, Bressman SB, Burke RE, Brin MF, Ozelius L, Breakefield XO, Fahn S and Kramer PL. Identification of a highly polymorphic microsatellite VNTR within the argininosuccinate synthetase locus: exclusion of the dystonia gene on 9q32-34 as the cause of dopa-responsive dystonia in a large kindred. Am J Hum Genet 1991;48:121-128.

39. Chan J, Brin MF, Fahn S. Idiopathic cervical dystonia: clinical characteristics. Movement Disorders 1991;6:119-126.

40. Glickman RM, Glickman JN, Magun A, Brin M. Apolipoprotein synthesis in normal and abetalipoproteinemic intestinal mucosa. Gastroenterology 1991;101:749-755.

41. Schuback D, Kramer P, Ozelius L, Holmgren G, Forsgren L, Kyllerman M, Wahlstrom J,

Craft CM, Nygaard T, Brin MF, de Leon D Bressman S, Moskowitz CB, Burke RE, Sanner G, Drugge U, Gusella J, Fahn S and Breakefield XO. Dopamine beta-hydroxlylase gene excluded in four subtypes of hereditary dystonia. Hum Genet 1991;87:311-316.

42. Parkinson Study Group. DATATOP and clinical neuromythology IX. Neurology 1991; 41:771-773.

43. LeWitt P, and the Parkinson Study Group. Deprenyl's effect at slowing progression of parkinsonian disability: The DATATOP Study. Acta Neurol Scand 1991; 84: Suppl 136: 70-86.

44. Shoulson I. Estrategias terapeuticas en la enfermedad de Parkinson. Arch de Neurobiol 1991; 54, 6:277-281.

45. Ozelius L, Kramer P, de Leon D, Risch N, Bressman S, Schuback D, Brin MF, Kwaitkowski D, Burke R, Gusella JF, Fahn S, Breakefield XO. Strong allele association between ASS allele and torsion dystonia gene (DYT1) and loci on chromosome 9q34 in Ashkenazi Jews. Am J Hum Genet 1992;50:619-628.

46. Blitzer A, Brin MF, Stewart C, Aviv JE, Fahn S. Abductor laryngeal dystonia: a series treated with botulinum toxin. Laryngoscope 1992;102: 163-167.

47. LeWitt PA, Galloway MP, Matson W, Milbury P, McDermott M, Srivastava DK, Oakes D, and the Parkinson Study Group. Markers of dopamine metabolism in Parkinson's disease. Neurology 1992; 42:2111-2117.

48. Shoulson I, and the Parkinson Study Group. An interim report of the effect of selegiline (l-deprenyl) on the progression of disability in early Parkinson's disease. Eur Neurol 1992; 32 (Suppl 1):46-53.

49. Furman JMR, Baloh RW, Barin K, Hain TC, Herdman S, Konrad HR, Parker SW, Van den Noort S, Altrocchi PH, Brin MF, Ferguson JH, Hanley DF, Jacobs LD, Lange DJ, Markham CH, Nuwer MR, Tindall RS, Okagaki JF. Assessment - Posturography - Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology 1993;43: 1261-1264.

50. Blitzer A, Brin MF, Keen MS, Aviv JE. Botulinum toxin for the treatment of hyperfunctional lines of the face. Arch Otolaryngol Head Neck Surg 1993;119:1018-1022.

51. Hurowitz GI, Silver JM, Brin MF, Williams DT, Rowland LP, Johnson WG. Neuropsychiatric aspects of adult onset Tay-Sachs disease: two case reports with several new findings. J Neuropsychiatry Clin Neurosci 1993;5: 30-36.

52. Borg-Stein J, Pine ZM, Miller JR, Brin MF. Botulinum toxin for the treatment of spasticity in multiple sclerosis. Am J Phys Med Rehabil 1993;72:364-368.

53. Parkinson Study Group. Effects of tocopherol and deprenyl on the progression of disability in

early Parkinson's disease. New England Journal of Medicine 1993; 328:176-183.

54. Parkinson Study Group. A controlled clinical trial of lazabemide (Ro 19-6327) in untreated Parkinson's disease. Ann Neurol 1993; 33:350-356.

55. Shults CW, and the Parkinson Study Group. Effect of selegiline (deprenyl) on the progression of disability in early Parkinson's disease. Acta Neurol Scand Supplement 1993; 87:36-42.

56. Adler CH, Wrabetz L, Brin MF, Hurtig HI. Cerebellar ataxia, dystonia, and tremor within a family: variable phenotypes of a single genetic disorder? Movement Disorders 1994;9:155-160.

57. Bressman SB, Heiman GA, Nygaard TG, Ozelius LJ, Hunt A, Brin MF, Gordon MF, Moskowitz CB, de Leon D, Burke RE, Fahn S, Risch NJ, Breakefield XO, Kramer PL. A study of idiopathic torsion dystonia in a non-Jewish family: evidence for genetic heterogeneity. Neurology 1994;44:283-287.

58. Bressman SB, Hunt AL, Heiman GA, Brin MF, Burke RE, Fahn S, Trugman JM, de Leon D, Kramer PL, Wilhelmsen KC, Nygaard T. Exclusion of the DYT1 locus in a non-Jewish family with early-onset dystonia. Mov Disord 1994;9:626-32

59. Grillone GA, Blitzer A, Brin MF, Annino DJ, Saint Hilaire MH. Treatment of adductor laryngeal breathing dystonia with botulinum toxin. Laryngoscope 1994;104:30-32.

60. Keen M, Blitzer A, Aviv J, Binder W, Prystowsky J, Smith H, Brin MF. Botulinum Toxin for hyperkinetic facial lines: results of a double blind placebo controlled study. Plast Reconstr Surg 1994;94:94-99.

61. Brin MF, Stewart C, Blitzer A, Diamond B. Laryngeal botulinum toxin (BTX) injections for disabling stuttering in adults. Neurology, 1994;44:2262-2266.

62. Brin MF, Anderson RL, Blitzer AB, Carruthers A, Comella C, Consky E, Dubinsky R, Fahn S, Brueh BR, Hallett M, Jankovic J, Koman A, Kraft SP, Lang A, Ludlow C, Namerow NS, Rhew K, Simpson LL, Tsui J, Waters C, Woodson G. Training guidelines for the use of botulinum toxin for the treatment of neurologic disorders: Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology 1994;44:2401-2403.

63. The Parkinson Study Group. A controlled trial of lazabemide (RO 19-6327) in levodopa treated Parkinson's disease. Arch Neurol 1994; 51:342-347.

64. Kieburtz K, McDermott M, Como P, Growdon J, Brady J, Carter J, Huber S, Kanigan B, Landow E, Rudolph A, Saint-Cyr J, Stern Y, Tennis M. Thalen J, Shoulson I and the Parkinson Study Group. The effect of deprenyl and tocopherol on cognitive performance in early untreated Parkinson's disease. Neurology 1994; 44:1756-1759.

65. Braun N, Abd A, Baer J, Blitzer A, Stewart C, Brin M. Dyspnea in dystonia. A functional evaluation. Chest 1995;107:1309-16.

66. Mezaki T, Kaji R, Kohara N, Fujii H, Katayama M, Shimizu T, Kimura J, Brin MF. Comparison of therapeutic efficacies of type A and F botulinum toxins for blepharospasm: a double-blind, controlled study. Neurology 1995;45:506-8.

67. Stewart C, Winfield L, Hunt A, Bressman SB, Fahn S, Blitzer A, Brin MF. Speech dysfunction in early Parkinson's disease. Mov Disord 1995;10:562-565.

68. Blitzer A, Komisar A, Baredes S, Brin MF, Stewart C. Voice failure after tracheoesophageal puncture: Management with botulinum toxin. Otolaryngol Head Neck Surg 1995;113:668-670.

69. Parkinson Study Group. Cerebrospinal fluid homovanillic acid in the DATATOP study on Parkinson's disease. Arch Neurol 1995; 52:237-245.

70. Adler CH, Zimmerman RS, Lyons MK, Simeone F, Brin MF. Perioperative use of botulinum toxin for movement disorder-induced cervical spine disease. Mov Disord 1996;11:79-81.

71. Altrocchi PH, Brin M, Ferguson JH, Goldstein,M.L.; Gorelick,P.B.; Hanley,D.F.; Lange,D.J.; Nuwer,M.R.; Van den Noort,S. Assessment of brain SPECT - Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology 1996;46:278-285.

72. Ford B, Greene P, Louis ED, Petzinger G, Bressman SB, Goodman R, Brin MF, Sadiq S, Fahn S. Use of intrathecal baclofen in the treatment of patients with dystonia. Arch Neurol 1996; 53:1241-1246.

73. Kurlan R, Brin MF, Fahn S. Movement disorder in reflex sympathetic dystrophy: A case proven to be psychogenic by surveillance video monitoring. Mov Disord 1997;12:243-245.

74. Stewart CF, Allen EL, Tureen P, Diamond BE, Blitzer A, Brin MF. Adductor spasmodic dysphonia: standard evaluation of symptoms and severity. J Voice 1997;11:95-103.

75. Blitzer A, Brin MF. Use of botulinum toxin for diagnosis and management of cricopharyngeal achalasia. Oto-Head Neck Surg 1997;116:328-330.

76. Blitzer A, Binder WJ, Aviv JE, Keen MS, Brin MF. The management of hyperfunctional lines with botulinum toxin: A collaborative study of 210 injection sites in 162 patients. Arch Otolaryngol 1997;123:389-392.

77. Bressman SB, deLeon D, Raymond D, Greene PE, Brin MF, Fahn S, Ozelius LJ, Breakefield XO, Kramer PL, and Risch NJ. Secondary dystonia and the DYTI gene. Neurology 1997;48(6):1571-7.

78. Lew,M.F.; Adornato,B.T.; Duane,D.D.; Dykstra,D.D.; Factor,S.A.; Massey,J.M.; Brin,M.F.;

Jankovic,J.; Rodnitzky,R.L.; Singer,C.; Swenson,M.R.; Tarsy,D.; Murray,J.J.; Koller,M.; Wallace,J.D. Botulinum toxin type B (BotB): A double-blind, placebo-controlled, safety and efficacy study in cervical dystonia. Neurology 1997;49:701-707.

79. Ozelius,L.J.; Hewett,J.; Kramer,P.; Bressman,S.B.; Shalish,C.; deLeon,D.; Rutter,M.; Risch,N.; Brin,M.F.; Markova,E.D.; Limborska,S.A.; IvanovaSmolenskaya,I.A.; McCormick,M.K.; Fahn,S.; Buckler,A.J.; Gusella,J.F.; Breakefield,X.O. Fine localization of the torsion dystonia gene (DYT1) on human chromosome 9q34: YAC map and linkage disequilibrium. Genome Res. 1997;7:483-94.

80. Ozelius LJ, Hewett JW, Page CE, Bressman SB, Kramer PL, Shalish C, de Leon D, Brin MF, Raymond D, Corey DP, Fahn S; Risch NJ; Buckler AJ; Gusella JF; Breakefield XO. The early onset torsion dystonia gene (DYT1) encodes an ATP-binding protein. Nat.Gen. 1997;17:40-8.

81. Rubio,J.P.; Danek,A.; Stone,C.; Chalmers,R.; Wood,N.; Verellen,C.; Ferrer,X.; Malandrini,A.; Fabrizi,G.M.; Manfredi,M.; Vance,J.; Pericak-Vance,M.; Brown,R.; Rudolf,G.; Picard,F.; Alonso,E.; Brin,M.; Nemeth,A.H.; Farrall,M.; Monaco,A.P. Chorea-acanthocytosis: genetic linkage to chromosome 9q21. Am.J.Hum.Genet. 1997;61:899-908.

82. Almasy,L.; Bressman,S.B.; Kramer,P.L.; Greene,P.E.; Heiman,G.A.; Ford,B.; Yount,J.; Raymond,D.; de Leon,D.; Chouinard,S.; Saunders-Pullman,R.; Brin,M.F.; Kapoor,R.P.; Jones,A.C.; Shen,H.; Fahn,S.; Risch,N.J.; Nygaard,T.G. Idiopathic torsion dystonia linked to chromosome 8 in two Mennonite families. Ann.Neurol. 1997;42:670-673.

83. Kieburtz, K., Shoulson, I., McDermott, M., Fahn, S., Lang, A., Olanow, W., Penney, J., Wooten, G. F., Kurlan, R., Gardiner, I., Petzinger, G., Brin, M., Dillon, S., Shannon, K., Jaglin, J. A., Trosch, R., Mistura, K., Harrison, M., RostRuffner, E., Tanner, C., Singer, C., Weiner, W., Sheldon, C., Grimes, J. D., Gray, P., Hurtig, H., Hauser, R., Gauger, L., Rajput, A., Rudnitzky, R., Dobson, J., Panisset, M., Gauthier, S., Amyot, D., Perlmutter, J., Hubble, J., Barter, R., Suchowersky, O., Lew, M., Welsh, M., Marek, K., Fussell, B., Sethi, K., Ligon, K., Rao, J., Rudolph, A., Casaceli, C., Day, D., Johnston, K., and et al. Safety and efficacy of pramipexole in early Parkinson disease: A randomized dose-ranging study. Journal of American Medical Association 278(2), 125-130. 1997.

84. Binder WJ, Blitzer A, Brin MF. Treatment of hyperfunctional lines of the face with botulinum toxin A. Dermatol.Surg. 1998;24:1198-1205.

85. Blitzer A, Brin MF, Stewart CF. Botulinum toxin management of spasmodic dysphonia (laryngeal dystonia): a 12-year experience in more than 900 patients. Laryngoscope 1998;108:1435-1441.

86. Klein C, Brin MF, de Leon D, Limborska SA, Ivanova-Smolenskaya IA, Bressman SB, Friedman A, Markova ED, Risch NJ, Breakefield XO, Ozelius LJ. De novo mutations (GAG deletion) in the DYT1 gene in two non-Jewish patients with early-onset dystonia. Hum.Mol.Genet. 1998;7:1133-1136.

87. Klein C, Page CE, LeWitt P, Gordon MF, de Leon D, Awaad Y, Breakefield XO, Brin MF, Ozelius LJ. Genetic analysis of three patients with an 18p- syndrome and dystonia. Neurology 1999;52:649-651.

88. Klein C, Brin MF, Kramer P, Sena-Esteves M, de Leon D, Doheny D, Bressman S, Fahn S, Breakefield XO, Ozelius LJ. Association of a missense change in the D2 dopamine receptor with myoclonus dystonia. Proc.Natl.Acad.Sci.U.S.A. 1999;96:5173-5176.

89. Lazzarini A, Walters AS, Hickey K, Coccagna G, Lugaresi E, Ehrenberg BL, Picchietti DL, Brin MF, Stenroos ES, Verrico T, Johnson WG. Studies of penetrance and anticipation in five autosomal-dominant restless legs syndrome pedigrees. Mov.Disord. 1999;14:111-116.

90. Walker RH, Spiera H, Brin MF, Olanow CW. Parkinsonism associated with Sjogren's syndrome: three new cases and a review of the literature. Mov.Disord. 1999;14:262-268.

91. Klein C, Friedman J, Bressman S, Vieregge P, Brin MF, Pramstaller PP, de Leon D, Hagenah J, Sieberer M, Fleet C, Kiely R, Xin W, Breakefield XO, Ozelius LJ, Sims KB. Genetic testing for early-onset torsion dystonia (DYT1): Introduction of a simple screening method, experiences from testing of a large patient cohort, and ethical aspects. Genet.Test. 1999;3:323-328.

92. Mezaki T, Kaji R, Brin MF, Hirota-Katayama M, Kubori T, Shimizu T, Kimura J. Combined use of type A and F botulinum toxins for blepharospasm: a double-blind controlled. Mov Disord. 1999;14:1017-1020.

93. Brin MF, Lew MF, Adler CH, Comella CL, Factor SA, Jankovic J, O'Brien C, Murray JJ, Wallace JD, Willmer-Hulme A, Koller M. Safety and efficacy of NeuroBloc (botulinum toxin type B) in type A- resistant cervical dystonia. Neurology 1999;53:1431-1438.

94. Brashear A, Lew MF, Dykstra DD, Comella CL, Factor SA, Rodnitzky RL, Trosch R, Singer C, Brin MF, Murray JJ, Wallace JD, Willmer-Hulme A, Koller M. Safety and efficacy of NeuroBloc (botulinum toxin type B) in type A- responsive cervical dystonia. Neurology 1999;53:1439-1446.

95. Ozelius LJ, Page CE, Klein C, Hewett JW, Mineta M, Leung J, Shalish C, Bressman SB, de Leon D, Brin MF, Fahn S, Corey DP, Breakefield XO. The TOR1A (DYT1) gene family and its role in early onset torsion dystonia. Genomics 1999; 62:377-384.

96. Shashidharan P., Kramer B.C., Walker R.H., Olanow CW, Brin MF. Immunohistochemical localization and distribution of torsinA in normal human and rat brain. Brain Res. 2000;853:197-206.

97. Morrison CE, Borod JC, Brin MF, Raskin SA, Germano IM, Weisz DJ, Olanow CW. A program for neuropsychological investigation of deep brain stimulation (PNIDBS) in movement disorder patients: development, feasibility, and preliminary data Neuropsychiatry Neuropsychol.Behav.Neurol. 2000;13:204-219.

98. Klein C, Gurvich N, Sena-Esteves M, Fink S, Bressman S, Brin MF, Ebersole BJ, Forsgren L, Friedman J, Grimes D, Holmgren G, Kyllerman M, Lang AE, de Leon D, Leung J, Prioleau C, Raymond D, Sanner G, Saunders-Pullman R, Vieregge P, Wahlstrom J, Breakefield XO, Kramer PL, Ozelius L, Sealfon SC. Evaluation of the role of the D2 dopamine receptor in myoclonus dystonia. Ann Neurol 2000;47:369-373.

99. Bressman SB, Sabatti C, Raymond D, de Leon D, Klein C, Kramer PL, Brin MF, Fahn S, Breakefield X, Ozelius LJ, Risch NJ. The DYT1 phenotype and guidelines for diagnostic testing [see comments]. Neurology 2000;54:1746-1752.

100. Shashidharan P, Good PF, Hsu A, Perl D, Brin MF, Olanow CW. TorsinA accumulation in Lewy Bodies in sporadic Parkinson's disease. Brain Res. 2000;877:379-381.

101. Binder WJ, Brin MF, Blitzer A, Schoenrock LD, Pogoda JM. Botulinum toxin type A (BOTOX) for treatment of migraine headaches: An open-label study. Otolaryngol.Head Neck Surg. 2000;123:669-676.

102. Binder WJ, Brin MF, Blitzer A, Pogoda JM. Botulinum toxin type A (BOTOX) for treatment of migraine. Semin.Cutan.Med Surg. 2001;20:93-100.

103. Brin MF, Lyons KE, Doucette J, Adler CH, Caviness JN, Comella CL, Dubinsky RM, Friedman JH, Manyam BV, Matsumoto JY, Pullman SL, Rajput AH, Sethi KD, Tanner C, Koller WC. A randomized, double masked, controlled trial of botulinum toxin type A in essential hand tremor. Neurology 2001;56:1523-1528.

104. Leung JC, Klein C, Friedman J, Vieregge P, Jacobs H, Doheny D, Kamm C, deLeon D, Pramstaller PP, Penney JB, Eisengart M, Jankovic J, Gasser T, Bressman SB, Corey DP, Kramer P, Brin MF, Ozelius LJ, Breakefield XO. Novel mutation in the TOR1A (DYT1) gene in atypical early onset dystonia and polymorphisms in dystonia and early onset parkinsonism. Neurogenetics. 2001;3:133-143.

105. Olanow CW, Brin MF. Surgical therapies for Parkinson's disease. A physician's perspective. Adv.Neurol. 2001;86:421-433.

106. Verheyden J, Blitzer A, Brin MF. Other noncosmetic uses of BOTOX. Semin.Cutan.Med Surg. 2001;20:121-126.

107. Walker RH, Brin MF, Sandu D, Gujjari P, Hof PR, Warren OC, Shashidharan P. Distribution and immunohistochemical characterization of torsinA immunoreactivity in rat brain. Brain Res. 2001;900:348-354.

108. The Deep-brain stimulation for Parkinson's disease study group. Deep-brain stimulation of the subthalamic nucleus or the pars interna of the globus pallidus in Parkinson's disease. N Engl J Med 2001;345:956-963.

109. Walker RH, Purohit DP, Good PF, Perl DP, Brin MF. Severe generalized dystonia due to primary putaminal degeneration: A case report and review of the literature. Mov Disord.

2002;17:576-584.

110. Walker RH, Brin MF, Sandu D, Good PF, Shashidharan P. TorsinA immunoreactivity in brains of patients with DYT1 and non-DYT1 dystonia. Neurology 2002; 58:120-124.

111. Walker RH, Morgello S, Davidoff-Feldman B, Melnick A, Walsh MJ, Shashidharan P, Brin MF. Autosomal dominant chorea-acanthocytosis with polyglutamine-containing neuronal inclusions. Neurology 2002;58:1031-1037.

112. Adler CH, Factor SA, Brin M, Sethi KD. Secondary nonresponsiveness to botulinum toxin type A in patients with oromandibular dystonia. Mov Disord. 2002;17:158-161.

113. Goetz, C. G., Koller, W. C., Poewe, W., Rascol, O., Sampaio, C., Brin, M. F., Lees, A. J., LeWitt, P., Lozano, A., Mizuno, Y., Nutt, J., Oertel, W., Olanow, C. W., Tolosa, E., Brefel-Courbon, C., Eichhorn, T., Ferreira, J., Katzenschlager, R., Luginger, E., Pastor, P., Seppi, K., and Spieker, S., eds. Task Force commissioned by the Movement Disorder Society. Management of Parkinson's Disease: An Evidence-Based Review. Hoboken:Wiley, 2002.

114. Binder WJ, Brin MF, Blitzer A, Pogoda JM. Botulinum toxin type A (BOTOX) for treatment of migraine. Dis.Mon. 2002;48:323-335.

115. Sulica L, Blitzer A, Brin MF, Stewart CF. Botulinum toxin management of adductor spasmodic dysphonia after failed recurrent laryngeal nerve section. Ann Otol Rhinol Laryngol 2003:112:499-505.

116. Olanow CW, Goetz CG, Kordower JH, Stoessl AJ, Sossi V, Brin MF, Shannon KM, Nauert GM, Perl DP, Godbold J, Freeman TB. A double-blind controlled trial of bilateral fetal nigral transplantation in Parkinson's disease. Ann.Neurol. 2003;54:403-414.

117. Simon DK, Friedman J, Breakefield XO, Jankovic J, Brin MF, Provias J, Bressman SB, Charness ME, Tarsy D, Johns DR, Tarnopolsky MA. A heteroplasmic mitochondrial complex I gene mutation in adult-onset dystonia. Neurogenetics. 2003;4:199-205.

118. MacKinnon CD, Velickovic M, Drafta C, Hesquijarosa A, Brin MF. Corticospinal excitability accompanying ballistic wrist movements in primary dystonia. Mov Disord. 2004;19:273-284.

119. Morrison CE, Borod JC, Brin MF, Halbig TD, Olanow CW. Effects of levodopa on cognitive functioning in moderate-to-severe Parkinson's disease (MSPD). J.Neural Transm. 2004;111:1333-1341.

120. Morrison CE, Borod JC, Perrine K, Beric A, Brin MF, Rezai A, Kelly P, Sterio D, Germano I, Weisz D, Olanow CW. Neuropsychological functioning following bilateral subthalamic nucleus stimulation in Parkinson's disease. Arch.Clin.Neuropsychol. 2004;19:165-181.

121. Saunders-Pullman R, Blau N, Hyland K, Zschocke J, Nygaard T, Raymond D, Shanker V, Mohrmann K, Arnold L, Tabbal S, deLeon D, Ford B, Brin M, Chouinard S, Ozelius L,

Klein C, Bressman SB. Phenylalanine loading as a diagnostic test for DRD: interpreting the utility of the test. Mol.Genet.Metab 2004;83:207-212.

122. Blitzer A, Brin MF. Management of hemifacial spasm and facial synkinesis with local injections of botulinum toxin. Operative Techniques in Otolaryngology Head and Neck Surgery 2004;15:103-106.

123. Schurch B, de Seze M, Denys P, Chartier-Kastler E, Haab F, Everaert K, Plante P, Perrouin-Verbe B, Kumar C, Fraczek S, Brin MF. Botulinum toxin type a is a safe and effective treatment for neurogenic urinary incontinence: results of a single treatment, randomized, placebo controlled 6-month study. J.Urol. 2005;174:196-200.

124. Shashidharan P, Sandu D, Potla U, Armata IA, Walker RH, McNaught KS, Weisz D, Sreenath T, Brin MF, Olanow CW. Transgenic mouse model of early-onset DYT1 dystonia. Hum.Mol.Genet. 2005;14:125-133.

125. Dodick DW, Mauskop A, Elkind AH, DeGryse R, Brin MF, Silberstein SD. Botulinum toxin type a for the prophylaxis of chronic daily headache: subgroup analysis of patients not receiving other prophylactic medications: a randomized double-blind, placebo-controlled study. Headache. 2005;45:315-324.

126. Mathew NT, Frishberg BM, Gawel M, Dimitrova R, Gibson J, Turkel C, BOTOX CDH Study Group. Botulinum toxin type A (BOTOX(R)) for the prophylactic treatment of chronic daily headache: A randomized, double-blind, placebo-controlled trial. Headache 2005;45:293-307.

127. Turkel CC, Bowen B, Liu J, Brin MF. Pooled analysis of the safety of botulinum toxin type A in the treatment of poststroke spasticity. Arch.Phys.Med.Rehabil. 2006;87:786-792.

B. Books, reviews, chapters, letters and editorials:

1. Brin MF, Traber MG. Vitamin E deficiency and neurological disease. Laboratory Management 1985;23:57-67.

2. Brin MF, Fahn S, Moskowitz CB, Friedman A, Shale HM, Green PE, Blitzer A, List T, Lange D, Lovelace RE, McMahon D. Localized injections of botulinum toxin for the treatment of focal dystonia and hemifacial spasm. Adv Neurol 1988;599-608.

3. Brin MF, Moskowitz CB, Fahn S. The Dystonia Clinical Research Center Tissue Resource Facility. Adv Neurol 1988;50:215-222.

4. Lange DJ, Brin M, Fahn S, Lovelace RE. Distant effects of locally injected botulinum toxin: incidence and course. Adv Neurol 1988;50:609-614.

5. Bressman SB, de Leon D, Brin MF, Risch N, Fahn S. The pattern of inheritance of dystonia among Ashkenazi Jews. Adv Neurol 1988;50:45-56.

6. Kramer PL, Ozelius LO, Brin MF, Bressman SB, Moskowitz CB, Fahn S, Kidd KK, Guesella J, Breakefield XO. Molecular genetics of an autosomal dominant form of Torsion Dystonia. Adv Neurol 1988;50:57-66.

7. Brin MF, de Yebenes J, Fahn S. Neuroacanthocytosis (Levine syndrome). Current Opinion in Neurol and Neurosurg 1988;1:332-334.

8. Brin MF, Younger D. Neurologic disorders and aspiration. Oto Clinics of North Amer 1988;691-699.

9. Blitzer A, Brin MF. Spastic dysphonia (laryngeal dystonia). Gates G (ed). Current therapy in otolaryngology - head and neck surgery. 1989;4.

10. Shoulson I: Experimental therapeutics directed at the pathogenesis of Parkinson's disease, in Handbook of Experimental Pharmacology: Drugs for the Treatment of Parkinson's Disease, DB Calne (ed), Springer-Verlag, Berlin, 1989 pp. 289-305.

11. Shoulson I: Protective therapy for Parkinson's disease, in Therapy of Parkinson's Disease, WC Koller and G Paulson (eds), Marcel Dekker, NY, 1990, pp. 357-358.

12. Blitzer A, Brin MF, Fahn S. Botulinum toxin injections for lingual dystonia. Laryngoscope 1991;101: 799.

13. Brin MF. Interventional neurology: treatment of neurological conditions with local injections of botulinum toxin. Arch de Neurobiol (Spain) 1991;54 (Suppl 3):7-23.

14. Shoulson I and the Parkinson Study Group. Effect of selegiline (L-deprenyl) on the progression of disability in early Parkinson's disease: a preliminary report, in Neuroprotective Therapy In Early Parkinson's Disease, UK Rinne, E Heinonen (eds.) Orion Corp, Farmos, Turku, Finland, 1991, pp. 25-32.

15. Brin MF, Fahn S, Blitzer A, Ramig LO, Stewart C. Movement Disorders of the Larynx. In Blitzer A, Brin MF, Sasaki CT, Fahn S, Harris KS (eds): Neurological disorders of the larynx. Thieme:New York, 1992: 248-276.

16. Brin MF, Blitzer A, Stewart C, Fahn S. Treatment of spasmodic dysphonia (laryngeal dystonia) with local injections of botulinum toxin: review and technical aspects. In Blitzer A, Brin MF, Sasaki CT, Fahn S, Harris KS (eds): Neurological disorders of the larynx. Thieme:New York, 1992:214-228.

17. Brin MF. Advances in dystonia: genetics and treatment with botulinum toxin. In Smith B, Adelman G. Neuroscience Year, Supplement to the Encyclopedia of Neuroscience. Birkhauser: Boston. 1992, 56-58.

18. Lang A, Quinn N, Marsden CD, Findley L, Koller W, Brin M, Fahn S. Essential tremor [letter; comment]. Neurology 1992;42: 1432-1434.

19. Blitzer A, Brin MF. Neurolaryngology. In: Cummings CW, Fredrickson JM, Harker LA, Krause CJ, Schuller DE (eds) Otolaryngology - Head and Neck Surgery. Mosby Year Book, S. Louis, 1992; 2053-2060.

20. Fahn S, Breakefield XO, and the Dystonia Genetics Research Group. Idiopathic torsion dystonia in Ashkenazi Jews: autosomal dominant inheritance pattern of a gene located on chromosome 9q32-34. In Bonne-Tamir B (ed): New Perspectives on Genetic Markers and Disease Among Jewish People. London: Oxford University Press, 1992.

21. Brin MF, Blitzer A, Stewart C, Pine Z, Borg-Stein J, Miller J, Viswanath NS, Rosenfield DB. Disorders with excessive muscle contraction: Candidates for treatment with intramuscular botulinum toxin ("botox"). In: DasGupta BR (ed). Botulinum and Tetanus Neurotoxins: Neurotransmission and Biomedical Aspects. Plenum: New York, 1993: 559-576.

22. Brin MF. Acanthocytosis. In: Goetz CG, Tanner CM, Aminoff MJ (eds): Handbook of Clinical Neurology. North-Holland:Amsterdam, 1993:271-299.

23. Brin MF. Current concepts in the management of torticollis (cervical dystonia). In Johnson RT, Griffin JW, eds. Current Therapy in Neurological Diseases, 4th ed. Mosby - YearBook, Philadelphia, 1993.

24. Brin MF, Blitzer A. Botulinum toxin - dangerous terminology errors (letter). J Royal Soc Med 1993;86:494.

25. Lange DJ, Brin MF, Greene P, Lovelace RE, Fahn S. Distant Effects of Locally Injected Botulinum Toxin - A Double-Blind Study of Single Fiber EMG Changes - A Reply. Muscle Nerve 1993;16: 677.

26. Blitzer A, Brin MF. Botulinum Toxin in the Management of Adductor and Abductor Spasmodic Dysphonia. In: Friedman M, Tucker HM (eds) Operative Techniques in Otolaryngology-Head and Neck Surgery. W.B. Saunders, Philadelphia, pp 199-206, 1993.

27. Blitzer A, Brin MF. Evaluation and management of hyperfunctional muscular disorders of the head and neck. Adv Oto-Head Neck Surg 1993;7:1-28.

28. Brin MF, Blitzer A, Herman S, Stewart C. Oromandibular dystonia: treatment of 96 patients with botulinum toxin A. In: Jankovic J, Hallett M, eds. Botulinum toxin treatment. Marcel Dekker, New York, 1994, pp 429-436.

29. Blitzer A, Brin MF. The evaluation and management of abductor laryngeal dysphonia. In: Jankovic J, Hallett M, eds. Botulinum toxin treatment. Marcel Dekker, New York, 1994, pp 451-460.

30. Greene PE, Brin MF, Fahn SF, Blitzer A. Botulinum toxin in dystonia. In: Marsden CD, Fahn S. Movement Disorders 3. London:Butterworth, 1994, pp 477-502.

31. Brin MF, Jankovic J, Comella C, Blitzer A, Tsui J, Pullman SL. Treatment of dystonia using botulinum toxin. In: Kurlan, ed. Treatment of Movement Disorders. Lippincott: Phila 1995:183-247.

32. Brin MF, Blitzer A, Herman S, Stewart C. Oro-facio-mandibular and lingual dystonia (Meige syndrome): botulinum toxin treatment. In: Moore AP, ed. Handbook of botulinum toxin treatment. Blackwell Scientific, Oxford, 1995, (in press).

33. Brin MF, Blitzer A, Stewart C. Vocal Tremor. In: Findley LJ, Koller WC (eds) Handbook of Tremor Disorders. Dekker, New York 1995:495-520.

34. Stewart CS, Brin MF, Blitzer A. Spasmodic Dysphonia. In: Ferrand CT, Bloom RL (eds), Introduction to Organic and Neurogenic Disorders of Communication: Current Scope of Practice. Needham Heights: Allyn & Bacon, 1997:301-318.

35. Brin MF, Vapnek JM. Treatment of vaginismus with botulinum toxin injections. Lancet. 1997;349(9047):252-3.

36. Brin MF. Botulinum toxin: new and expanded indications. Eur.J.Neurol. 1997;4 (suppl 2):59-66.

37. Brin M. F. (Editor). Spasticity: Etiology, Evaluation, Management, and the Role of Botulinum Toxin Type A: A training syllabus developed by the Spasticity Study Group. Muscle Nerve 1997;20 (suppl 6): S1-S231.

38. Brin M. F. Botulinum toxin: chemistry, pharmacology, toxicity, and immunology. Muscle Nerve 1997;20 (suppl 6): S146-68.

39. Brin M. F. and The Spasticity Study Group. Dosing, administration, and a treatment algorithm for use of botulinum toxin A for adult-onset spasticity. Muscle Nerve 1997;20 (suppl 6): S208-20.

40. Jankovic J. and M. F. Brin. Botulinum toxin: historical perspective and potential new indications. Muscle Nerve 1997;20 (suppl 6): S129-45.

41. Brin MF. Treatment of dystonia. In: Jankovic J, Tolosa E (eds). Parkinson's Disease and Movement Disorders. New York:Williams & Wilkins; 1998, 553-578.

42. Brin MF. Pharmacological treatment of movement disorders. In: Germano I, ed. Neurosurgical Treatment of Movement Disorders. Lebanon: Amer.Assoc.Neurol.Surgeons, 1998:83-104.

43. Brin MF, Blitzer A, Stewart C. Laryngeal dystonia (spasmodic dysphonia): Observations of 901 patients and treatment with botulinum toxin. Adv.Neurol. 1998;78:237-252.

44. Brin M. F. and W. C. Koller. Epidemiology and genetics of essential tremor. Movement Disorders, 1998:13 (Suppl 3), 55-63.

45. Deuschl G, Bain P, Brin M. Consensus statement of the Movement Disorder Society on Tremor. Ad Hoc Scientific Committee. Mov.Disord. 1998;13 Suppl 3:2-23.

46. Jenner PG, Brin MF. Levodopa neurotoxicity: experimental studies versus clinical relevance. Neurology 1998;50:S39-S43

47. Ozelius LJ, Hewett JW, Page CE, Bressman SB, Kramer PL, Shalish C, de Leon D, Brin MF, Raymond D, Jacoby D, Penney J, Risch NJ, Fahn S, Gusella JF, Breakefield XO. The gene (DYT1) for early-onset torsion dystonia encodes a novel protein related to the Clp protease/heat shock family. Adv.Neurol. 1998;78:93-105.

48. Ford B, Greene PE, Louis ED, Bressman SB, Goodman RR, Brin MF, Sadiq S, Fahn S. Intrathecal baclofen in the treatment of dystonia. Adv.Neurol. 1998;78:199-210.

49. Bressman SB, de Leon D, Raymond D, Greene PE, Brin MF, Fahn S, Ozelius LJ, Breakefield XO, Kramer PL, Risch NJ. The role of the DYT1 gene in secondary dystonia. Adv.Neurol. 1998;78:107-115.

50. Blitzer A, Binder WJ, Brin MF. Management of Facial Wrinkles with Botulinum Toxin Injections. In: Krespi YP, ed. Office-Based Surgery of the Head and Neck. New York: Lippincott-Raven, 1998:251-254.

51. Brin MF. Advances in Dystonia: Classification, Genetics and Therapeutics, Neuroscience Year: Supplement to the Encyclopedia of Neuroscience, 1999.

52. Brin MF. Botulinum toxin for motor disorders. In: Younger DS, ed. Textbook of Motor Disorders. Philadelphia: Lippincott Williams & Wilkins, 1999:515-522.

53. Stewart CF, Blitzer A, Brin MF. Evaluation and management of swallowing and voice disorders. In: Younger DS, ed. Textbook of Motor Disorders. Philadelphia: Lippincott Williams & Wilkins, 1999:477-492.

54. Brin MF, Benabou R. Cervical dystonia (torticollis). Current Treatment Options in Neurology 1999;1:33-43.

55. Blitzer A, Binder WJ, Brin MF. Botulinum toxin injections for facial lines and wrinkles: Technique. In: Blitzer A, Binder WJ, Boyd BJ, Carruthers A, eds. Management of Facial Lines and Wrinkles. New York: Lippincott Williams & Wilkins, 2000:303-313.

56. Brin MF. Botulinum toxin therapy: Basic science and overview of other therapeutic applications. In: Blitzer A, Binder WJ, Boyd JB, Carruthers A, eds. Management of Facial Lines and Wrinkles. New York: Lippincott Williams & Wilkins, 2000:279-302.

57. Olanow C. W. and M. F. Brin. The role of deep brain stimulation as a surgical treatment for Parkinson's disease. Neurology, 2000 (in press).

58. Brin MF. Physician and Patients in managing Parkinson's disease. In: Cote L, Sprinzeles LL, Elliott R, Kutscher AH, eds. Parkinson's Disease and Quality of Life. Binghamton: Haworth Press, 2000:11-13.

59. Bain P, Brin M, Deuschl G, Elble R, Jankovic J, Findley L, Koller WC, Pahwa R. Criteria for the diagnosis of essential tremor. Neurology 2000;54:S7

60. Koller WC, Hristova A, Brin M. Pharmacologic treatment of essential tremor. Neurology 2000;54:S30-S38

61. Comella,C.L., Brin,M.F., Brownlee, H.J. Diagnosis and Treatment of Parkinson's Disease: A Handbook for Primary Care Physicians. Chicago: Rush Presbyterian Medical Center, 2000

62. Abbasi, S., Velickovic, M., and Brin, M. F. Myoclonus. (7), 171-179. 2001. New York, Lippincott Williams & Wilkins. The Neurologist (Monograph Journal).

63. Brin MF, Germano I, Danisi F, Weisz D, Olanow CW. Deep brain stimulation in the treatment of dystonia. In: Krauss JK, Jankovic J, Grossman RG, eds. Surgery for Movement Disorders. Philadelphia: Lippincott Williams and Wilkins, 2001:307-315.

64. Brin MF, Hallett M, and Jankovic, J., eds. Scientific and Therapeutic Aspects of Botulinum Toxin. New York:Lippencott Williams & Wilkins, 2002.

65. Brin MF, Binder WJ, Blitzer A, Schenrock L, Pogoda JM. Botulinum toxin type A for pain and headache. In: Brin MF, Hallett M, Jankovic J, eds. Scientific and Therapeutic Aspects of Botulinum Toxin. New York: Lippencott Williams & Wilkins, 2002.

66. Hallett M. Effects of botulinum toxin at the neuromuscular junction. In: Brin MF, Hallett M, Jankovic J, eds. Scientific and Therapeutic Aspects of Botulinum Toxin. New York: Lippencott Williams & Wilkins, 2002:

67. Walker RH, Morgello S, Davidoff-Feldman B, Melnick A, Walsh MJ, Shashidharan P, Brin MF. Autosomal dominant chorea-acanthocytosis: Report of a family and neuropathology. In: Danek A, ed. Neuroacanthocytosis syndromes: New Perspectives for the Study of Basal Ganglia Degeneration. Springer-Verlag, 2002:

68. Brin MF, Comella C, and Jankovic J, eds Dystonia: Etiology, Clinical Features, and Treatment. Philadelphia:Lippincott, Williams & Wilkens, 2004.

69. Brin MF, Comella C. Pathophysiology of dystonia (Chapter: 1). In: Brin MF, Comella C, Jankovic J, eds. Dystonia: Etiology, Clinical Features, and Treatment. Philadelphia: Lippincott, Williams & Wilkens, 2004:5-10.

70. Brin MF, Aoki KR, Dressler D. Pharmacology of botulinum toxin therapy (Chapter: 8). In: Brin MF, Comella C, Jankovic J, eds. Dystonia: Etiology, Clinical Features, and Treatment. Philadelphia: Lippincott, Williams & Wilkens, 2004:93-112.

71. Brin MF, Jankovic J. Other uses of botulinum toxin type A therapy (Chapter: 18). In: Brin MF, Comella C, Jankovic J, eds. Dystonia: Etiology, Clinical Features, and Treatment. Philadelphia: Lippincott, Williams & Wilkens, 2004:213-228

C. Media Resource and Educational Material: Videotape and CD ROM Productions

1. Jankovic, J., Brin, M. F., Comella, C. L., and Blazer, J. Botulinum Toxin Treatment of Cervical Dystonia (Videotape). 1994. New York, Churchill Livingstone.

2. Dr. Brin is President of WE MOVE (www.wemove.org), and is contributor/editor for the entire website. This includes the content and slide series (downloadable) on dystonia, Parkinson's disease, tics/Tourettes, myoclonus, tremor and spasticity.

3. Brin, M. F., O'Brien, C. F., Gormley, M. E., McGuire, J., and Blazer, J. The Role of Chemodenervation in Spasticity Management (Videotape). Cast: Brin, M. F., Albany, K., Gormley, M. E., Gracies, J. M., McGuire, J., Murr, S., O'Brien, C. F., and Seeberger, L. 2000. New York, WE MOVE.

4. Esquenazi, A. and Mayer, N. New Advances in the Management of Spasticity and Muscle Overactivity (CD Rom). Contributors: Bloom, K. K., Brin, M. F., Chambers, H. G., Esquenzai, A., Gollomp, S. M., Gormley, M. E., Gracies, J. M., Ivanhoe, C. B., Keenan, M. A. E., Laborde, A., Leach, J., Mancuso, G. E., Mayer, N., and McGuire, J. R. 2000. Knoxville, Professional Postgraduate Services.

D. Abstracts:

1. Brin MF, Nelson JS, Robert WC, et. al. Neuropathology of abetalipoproteinemia: a possible complication of the tocopherol (vitamin E) deficient state. Neurology 1983; 33 (Suppl 2): 142-143.

2. Brin MF, Emerson RG, Pedley TA, Lovelace RE, Gouras P, MacKay C, Behrens MM, Kayden HJ, Levy J, Baker H. The vitamin E deficiency syndrome: occurence, clinical characteristics, and electrophysiological features. Ann Neuro 1983;14:109.

3. Sung K-LP, Yang J, Brin MF, Chien S. Red cell rheology in chorea acanthocytosis. Microvasc Res 1985;29:253.

4. Kavey N, Gidro-Frank S, Brin MF, Fahn S. Disorderd sleep in a retired professional boxer. In Chase MH, McGinty DJ, Wilder-Jones R eds. Sleep Research. Brain Information Services/Brain Research Institute, UCLA 1985;14:240.

5. Brin MF, Bressman SB, Fahn S, Resor SR, Weitz J, Sagman DL. Chorea-acanthocytosis: clinical and laboratory features in 5 cases. Neurology 1985;35 (suppl 1):110.

6. Fahn S, List T, Moscowitz C, Brin MF, Bressman S, Burke R, Scott A. Double-blind controlled study of botulinum toxin for blepharospasm. Neurology 1985;35 (suppl 1):271.

7. Burke RE, Fahn S, Brin MF, Bressman SB, Moskowitz C. The clinical course of autosomal dominant torsion dystonia. Neurology 1985;35 (suppl 1):273.

8. Brin MF, Gregg RE, Pedley TA, Lovelace RE, Wichman A, Behrens MM, Gouras P, MacKay C, Kayden HJ, Baker H, Levy J. Vitamin E deficiency and neurologic disease: clinical and electrophysiologic evaluation in 24 patients. J Neurol 1985;232 (suppl) 180.

9. Fahn S, Brin MF. Delayed-onset dystonia in adults following vascular insult. J Neurol 1985;232 (suppl) 220.

10. Rutledge JN, Hilal SK, Silver J, Brin MF, Cote LJ. Magnetic Resonance Imaging of Movement Disorders. Radiology 1985;157:370.

11. Brin MF, Fahn S, Moskowitz CB, Blitzer A, Friedman A, Shale HM, Greene PE, List T, Lovelace RE. Injections of botulinum toxin for the treatment of focal dystonia. Neurology 1986;36(suppl 1),120.

12. Brin MF, Fahn S, Bressman SB, Burke RE. Dystonia precipitated by peripheral trauma. Neurology 1986;36(suppl 1),119.

13. Kaplan JG, Pack DR, Horoupian DS, Brin MF, Schaumburg HH. Gluten enteropathy causes distal axonopathy with normal vitamin E levels. Neurology 1986;36(suppl 1), 176.

14. de Leon D, Bressman SB, Brin MF, Fahn S, Risch N. Inheritance of idiopathic torsion dystonia in the Ashkenazim. Am J Human Genetics 1986;39 (suppl 2):A58.

15. Brin MF, Ozelius L, de Leon D, Seeley R, Amos J, Warburton D, Fahn S, Bressman SB, Wasmuth J, Kramer P, Kidd K, Gusella J, Breakefield XO. Dystonia symptoms in a female with 45,XX,-18,-21,+der t(18;21)(18q21q)mat and exclusion of regions of chromosome 18 in another family with autosomal dominant dystonia. Am J Human Genetics 1986;39 (suppl 2):A190.

16. Greene P, Shale H, Fahn S, Brin MF, Friedman A. Treatment of torticollis with injections of botulinum toxin. Neurology 1987;37:123.

17. Brin MF, Bressman SB, Moskowitz CB, Fahn S, Burke RE, de Leon D. Autosomal dominant dystonia in a large North American family: Clinical features. Neurology 1987;37:137.

18. Bressman SB, de Leon D, Brin MF, Risch N, Shale H, Burke RE, Greene PE, Fahn S. Inheritance of primary torsion dystonia among Ashkenazi Jews. Neurology 1987;37:187.

19. Phillips PC, Brin MF, Fahn S, Greene PE, Sidtis JJ, Ragassa J, Krol G, Moeller JR, Sergi ML, Rottenberg DA. Abnormal regional cerebral glucose metabolism in chorea-acanthocytosis: an ^{18}F-fluorodeoxyglucose positron emission tomographic study. Neurology 1987;37:211.

20. Truong DD, Bressman S, Shale H, Brin MF, Greene P, Fahn S. Clonazepam, haloperidol and clonidine in tic disorders. Neurology 1987;37:279.

21. de Leon D, Brin MF, Bressman SB, Burke RE, Fahn S. Support group for young adults with idiopathic torsion dystonia. Am J Human Genetics 1987;41(suppl3).

22. Shoulson I and the Parkinson Study Group - Fahn S, Brin M, Burke R, Bressman S, Tetrud J, Langston JW, Jankovic J, Kurlan R, Plumb S, Odoroff C, Tanner C, Goetz C, Klawans H, Shannon K, Lang A, Weiner W, Sanchez-Ramos J, Penney J, Young A, Starosta-Rubinstein S, Hurtig H, Stern M, Gollomp S, Pfeiffer R, Friedman J, Olanow W, Paulson G, Tsui J, Nutt J, Rodnitzky R, Grimes D, Hassan M, LeWitt P, Hoehn M, Bennett J: Correlates of clinical decline in early Parkinson's disease. Neurology 1987; 37 (Suppl 1):278.

23. Bressman SB, de Leon D, Brin MF, Risch N, Shale H, Burke RE, Greene PE, Fahn S. Clinical spectrum of dystonia in Ashkenazi Jewish families. Neurology 1988 (suppl 1), 124.

24. Brin MF, Blitzer A, Fahn S, Lovelace RE. Laryngeal dystonia (LD) at the Dystonia Clinical Research Center (DCRC): clinical and electromyographic features in 110 cases. Neurology 1988 (suppl 1), 129.

25. Brin MF, Blitzer A, Fahn S, Lovelace RE. Adductor laryngeal dystonia: treatment with local injections of botulinum toxin (BOTOX). Neurology 1988 (suppl 1), 244.

26. Kang JU, Greene P, Fahn S, Brin MF, Moskowitz C, Burke RE, Flaster E. Double-blind placebo-controlled study of botulinum toxin injections for torticollis. Neurology 1988(suppl 1), 244.

27. Shoulson I and the Parkinson Study Group. Antioxidative experimental strategies for Parkinson's disease . 9th International Symposium on Parkinson's Disease, Jerusalem, Israel, June 5-9, 1988, p. 19.

28. Shoulson I and the Parkinson Study Group. Antioxidative experimental strategies aimed at slowing the progression of Parkinson's disease . Proceedings of the International Symposium on Alzheimer's Disease, June 12-15, 1988, Kuopio, Finland (World Federation of Neurology Research Group on Dementia) Publications of the University of Kuopio (ISBN 951-780-488-1), 1988; pp. 35-36.

29. Kurlan R, Clark S, Penney J, Shoulson I: Economic impact of successful protective therapy for Parkinson's disease Annals Neurol 1988; 24:153.

30. Blitzer A, Brin MF, Fahn S. Botulinum toxin therapy for recurrent laryngeal nerve section failure for adductor laryngeal dystonia. American Laryngological Association, 1989.

31. Brin MF, Blitzer A, Greene PE, Fahn S. Botulinum toxin for the treatment of oromandibulolingual (OMD) dystonia. Neurology 1989 (suppl 1), 294.

32. Burke RE, Brin MF, de Leon D, Bressman SB, Fahn S. Comparison of the clinical course of the Jewish and non-Jewish, juvenile-onset, familial torsion dystonias. Neurology 1989 (suppl 1), 188.

33. Brin MF, Blitzer A, Stewart C, Fahn S. Local injections of botulinum toxin for adductor laryngeal dystonia: dose effects. Movement Disorders Symposium, 10/89.

34. Breakefield XO, Ozelius L, Kramer PL, Moskowitz CB, Kwaitkowski DJ, Brin MF, Bressman SB, de Leon D, Hsu Y-PP, Craft C, Hu G, Haines J, Burke RE, Nygaard T, Raese J, Gusella JF, Fahn S. Human dystonia gene found on chromosome 9q32-q34. Neuroscience abstracts, 1989.

35. Brin MF, Moskowitz CB, Bressman SB, Burke RE, de Leon D, Risch N, Fahn S. Autosomal dominant dystonia in a large North American Family: clinical features. Am J Hum Genet (Suppl) 1989;45:A41.

36. Ozelius L, Kramer PL, Moskowitz CB, Kwaitkowski DJ, Brin MF, Bressman SB, Schuback DE, de Leon D, Hsu Y -PP, Craft C, Hu G, Haines J, Burke RE, Raese J, Gusella JF, Fahn S, Breakefield XO. Human dystonia gene found on chromosome 9q32-q34. Am J Hum Genet (Suppl) 1989;45:A211.

37. Kramer PL, Ozelius L, Risch N, de Leon D, Bressman S, Brin M, Schuback D, Gusella J, Breakefield XO, Fahn S. Gene for dystonia in Ashkenazi Jewish population located on chromosome 9q. Am J Hum Genet (Suppl) 1989;45:A147.

38. Risch N, Bressman SB, de Leon D, Brin MF, Burke RE, Greene PE, Shale H, Claus EB, Cupples LA, Fahn S. Autosomal dominant inheritance of idiopathic torsion dystonia in Ashkenazi Jews. Am J Hum Genet (Suppl) 1989;45:A60.

39. de Leon D, Bressman S, Brin M, Burke R, Fahn S. Genetic counseling for dystonia. Am J Hum Genet (Suppl) 1989;45:A120.

40. Gordon MF, Brin MF, Giladi N, Hunt A, Fahn S. Dystonia precipitated by peripheral trauma. Movement Disorders (suppl 1), 1990;5:67.

41. Brin MF, Blitzer AB, Stewart C, Fahn S. Botulinum toxin: Now for abductor laryngeal dystonia. Neurology 1990;40 (suppl 1), 381.

42. de Leon D, Brin MF, Blitzer A, Heiman G, Fahn S. Genetic factors in spastic dysphonia. AAN 1990. Neurology 1990;40 (suppl 1), 142.

43. Bressman SB, de Leon D, Brin MF, Moskowitz CB, Kramer PL, Risch N, Ozelius L, Schuback D, Kwaitkowski DJ, Haines J, Gusella JF, Breakefield XO. Dystonia gene located on chromosome 9q. Neurology 1990;40 (suppl 1), 144.

44. Blitzer AB, Brin MF. Botulinum toxin therapy for the treatment of laryngeal dystonia. Am Laryngol Assn, 1990

45. Tryon WW, Brin MF, Fahn S, Guillory S, Winfield L, Bressman S. Validating accelerometric measures of parkinsonism: technical aspects and preliminary results. Fourth annual PSG/MDS symp; Ann Neurol 1990;28:297.

46. Shoulson I and the Parkinson Study Group. Deprenyl in early Parkinson's disease: symptomatic versus protective efficacy . Neurology (Suppl. 1) 1990; 40:153.

47. Oakes D and the Parkinson Study Group. Progression of early Parkinson's disease until levodopa therapy is required . Neurology (Suppl. 1) 1990; 40:370.

48. Environmental Influences Working Group of the Parkinson Study Group and The Parkinson Study Group (CM Tanner, Presenter, Chicago, IL): Smoking and Age at Onset of Parkinson's Disease: Analysis of the DATATOP Cohort . Annals Neurol 1990; 28:295.

49. The Parkinson Study Group (PG Como, Presenter, Rochester, NY): Effect of Deprenyl on Neuropsychological Function in Early Parkinson's Disease . Annals Neurol 1990; 28:297.

50. Hall WJ, Oakes D and the Parkinson Study Group. Statistical issues in monitoring a 2 x 2 factorial clinical trial . Controlled Clinical Trials 1990; 11:264.

51. Oakes D, McDermott M, Eberly S, Plumb S, Watts A, Shoulson I and the Parkinson Study Group. Investigator effects in a multicenter trial for Parkinson's disease . Controlled Clinical Trials 1990; 11:284.

52. Pelusio RM, Rudolph A, Orme C, Evans P, Plumb S, Oakes D, Shoulson I and the Parkinson Study Group. DATATOP: Managing an accelerated trial . Controlled Clinical Trials 1990; 11:304.

53. Kieburtz K, Como P, McDermott M and the Parkinson Study Group. Neuropsychological evaluation in early untreated Parkinson's disease . Annals of Neurology 1990; 28:236.

54. Blitzer AB, Brin MF. Abductor laryngeal dystonia: a series treated with botulinum toxin. Am Laryngol, Rhinol, Otolog Soc (Triological Soc), May, 1991.

55. Brin MF, Blitzer A, Braun N, Stewart C, Fahn S. Respiratory & obstructive laryngeal dystonia: treatment with botulinum toxin (Botox). Neurology 1991;41 (Suppl 1), 291.

56. de Leon D, Brin MF, Murphy P, Bressman SB, Ozelius L, Cardon N, Reich S, Breakefield XO and Fahn S. Genetic counseling for idiopathic torsion dystonia: First use of DNA-based carrier detection in Ashkenazi Jews. Movement Disord 1991;6:273-274.

57. de Leon D, Brin MF, Markova E, Freidman A, Ivanova-Smolenska I, Bressman SB, Burke RE, Vereschagin N and Fahn S. Dopa-responsive dystonia in the USSR: The Soviet-American Neurogenetics Collaborations (SANG). Presented at the 10th International Symposium on Parkinson's Disease, Tokyo, October 1991.

58. Risch N, de Leon D, Ozelius L, Kramer P, Bressman S, Kwiatkowski D, Brin M, Schuback D, Burke RE, Gusella J, Fahn S, Breakefield XO. The genetics of torsion dystonia in Ashkenazi Jews. Presented at the UK-Israel Binational Symposium on Molecular Genetics and Neuropsychiatric Disorders. 10/28-10/29, 1991; Herzliya, Israel.

59. LeWitt PA, Galloway M, Oakes D, Watts A, Mattson W and the Parkinson Study Group; Homovanillic acid, other monoamine metabolites, and xanthine in parkinsonian CSF, , Neurology 1991; 41 (Suppl 1): 379.

60. Pelusio RM, Miller C, Orme C, Andrews M, Casaceli C, Lieou J, Kieburtz K, Wixsom J, Shoulson I, and the Parkinson Study Group. Use of Computer Applications to Facilitate Retroactive Updates to a Database . Controlled Clinical Trials 1991; 12:707.

61. Borg-Stein J, Pine ZM, Miller J, Brin MF. Botulinum toxin for treatment of spasticity in multiple sclerosis. Association of Academic Physiatrist, Orlando Florida, February 12-15, 1992.

62. Brin MF, Stewart C, Viswanath NS, Beardsley A, Blitzer A, Rosenfield D. Pilot study: laryngeal botulinum toxin (botox) injections for disabling stuttering in adults. Neurology 1992; 42 (Suppl 3):376.

63. Futrovsky LE, Kochanowicz N, Stewart C, Blitzer A, Brin MF. Botulinum toxin for spasmodic dysphonia: Measures of quality of life improvement. Neurology 1992; 42 (Suppl 3):240.

64. Baer JW, Braun N, Brin MF, Stewart C, Austin J, Blitzer A. Disordered diaphragmatic motion in patients with cranial dystonia: A fluoroscopic study. Neurology 1992; 42 (Suppl 3):240.

65. Gordon, MF, Franklin M, de Leon D, Warburton D, Seely R, Phillips P, Asaikar S, Maccabee P, Lazar R, Sinha K, Yeboa K, Pearl M, Fahn S, Brin MF. Dystonia in two patients with deletion of 18p. Neurology 1992; 42 (Suppl 3):239.

66. Bressman SB, de Leon D, Ozelius L, Kramer P, Gusella JF, Brin MF, Burke RE, Fahn S, Breakefield XO, Risch N. Linkage disequilibrium of idiopathic torsion dystonia (ITD) in Ashkenazim: a single mutation or its phenotype. Neurology 1992; 42 (Suppl 3):393.

67. Braun N, Abd A, Baer J, Brin M. Dyspnea in dystonia: a functional evaluation. American Thoracic Society/American Lung Association, May, 1992.

68. Brin MF, Blitzer A, Stewart C, Viswanath N, Beardsley A, Rosenfield D, Fahn S. Laryngeal botulinum toxin (botox) injections in 431 patients with laryngeal movement disorders: spasmodic dysphonia, adult stuttering and essential voice tremor. Second International Movement Disorders Conference, 1992.

69. Gordon MF, Brin MF, de Leon D, Warburton D, Yeboa K, Bressman S, Fahn S. Dystonia in a patient with deletion of 18q. Second International Movement Disorders Conference, 1992.

70. Nelson JS, Brin MF. Neuropathology of abetalipoproteinemia (ABL): relation to avitaminosis E and age. XIX International Congress of the International Academy of Pathology, Madrid, Spain, October 18-24, 1992.

71. Stewart C, Winfield L, Hunt A, Ciecierski K, Bressman S, Fahn S, Brin MF. Speech Dysfunction in early Parkinson's disease. Movement Disorders 1992;7:294.

72. de Leon D. Bressman S, Brin MF, Risch N, Fahn S. Torsion dystonia in Ashkenazi Jews: Is there evidence for an imprinted gene? Movement Disorders 1992;7:296.

73. LeWitt P, Galloway M, Matson W, McDermott M, Oakes D, and the Parkinson Study Group. Markers of endogenous dopamine synthesis in Parkinson's disease . Neurology 1992; 42 (Suppl 3):421.

74. Pelusio RM, Wixsom J, Rudolph A, Orme C, Shoulson I, and the Parkinson Study Group. Subject file checklists to facilitate clinical trial closeout activities . Controlled Clinical Trials 1992; 13:438.

75. LeWitt P, Galloway M, Matson W, Milbury P, McDermott M, Oakes D, the Parkinson Study Group. CSF studies in untreated Parkinson disease: dopamine metabolism and xanthine. Neurosci Abstracts 1992; 18:1248.

76. Parkinson Study Group. Assessment of short-term tolerability of lazabemide (Ro 19-6327) in untreated Parkinson's disease . Movement Disorders 1992; 7 (Suppl 1):14.

77. McDermott MP, Jankovic J and the Parkinson Study Group. Factors predictive of the need for levodopa therapy in early, untreated Parkinson's disease . Neurology 1992; 42 (Suppl 3):441.

78. Fink JS, Shalish C, Hotamosligil G, Rould E, Sullivan J, Growdon J, LeWitt P, Breakefield XO, the Parkinson Study Group. Allelic variations in the MAO-A and MAO-B genes in Parkinson disease . Movement Disorders 1992; 7:289-290.

79. LeWitt PA, Galloway M, Oakes D, Watts A, Mattson W and the Parkinson Study Group; Homovanillic acid, other monoamine metabolites, and xanthine in parkinsonian CSF, , Neurology 1991; 41 (Suppl 1): 379.

80. Pelusio RM, Miller C, Orme C, Andrews M, Casaceli C, Lieou J, Kieburtz K, Wixsom J, Shoulson I, and the Parkinson Study Group. Use of Computer Applications to Facilitate Retroactive Updates to a Database . Controlled Clinical Trials 1991; 12:707.

81. Blitzer A, Brin MF. Surgical management of laryngeal disorders in Parkinson's disease. Eastern Section of the Am Laryngol, Rhinol, Otolog Soc (Triological Soc), Jan, 1993.

82. Bressman SB, Heiman G, Hunt A, Ozelius L, Nygaard T, Brin MF, Moskowitz CB, de Leon

D, Burke RE, Fahn S, Risch N, Breakefield XO, Kramer P. Evidence for genetic heterogeneity in idiopathic torsion dystonia (ITD). Neurology 1993;43 (Suppl 2): 330.

83. Brin MF, Hays A, Symmans WA, Donaldson AM, Marsh WL. Neuropathology of McLeod phenotype is like chorea-acanthocytosis (CA). Can J Neurol Sci 1993;20 (Suppl 4): 234.

84. Brin MF, Ozelius L, Risch N, Ivanova-Smolenskaia IA, Markova ED, Limborska SA, Kramer P, de Leon D, Bressman S, Hewett J, Fahn S, Breakefield XO. Analysis of the dystonia gene (DYT1) in Russia.

85. Lovelace RE, Blitzer A, Brin MF. Quantitation of the effect of botox on laryngeal spasmodic dysphonia with the turns analysis method. Can J Neurol Sci 1993;20: 365 .

86. Brin MF, Hays A, Kaplan JG, Bello L. Huntington's phenotype with mitochondrial encephalomyopathy. Ann Neurol 1993;34: .

87. LeWitt PA, Bannon M, Galloway M, Kapatos G, Matson W, McDermott M, Oakes D, the Parkinson Study Group. Monoaminergic metabolism, substance P, met-enkephalin, and biopterin metabolism in Parkinson's disease . Neurology 1993; 43:A408.

88. Rudolph A, Pelusio RM, McManus J, Bordwell KL, Kieburtz K, Dorflinger E, Shoulson I and the Parkinson Study Group. Promoting enrollment in a multi-center clinical trial . Controlled Clinical Trials 1993; 14:438.

89. Pelusio RM, Casaceli CJ, Orme C, Connorton J and the Parkinson Study Group. Monitoring completion of data form discrepancies . Controlled Clinical Trials 1993; 14:429.

90. Parkinson Study Group (J Penney, primary author). Effect of sustained deprenyl and tocopherol therapy in levodopa-treated parkinsonian patients . Annals Neurol 1993; 34:247.

91. Parkinson Study Group (I Shoulson, primary author). The impact of extended deprenyl treatment in patients not requiring levodopa therapy . Annals Neurol 1993; 34:263.

92. Parkinson Study Group (S Fahn, primary author). The DATATOP study: cerebrospinal fluid homovanillic acid changes in patients with mild, early parkinsonism . Movement Disorders 1993; 8:410-411.

93. Parkinson Study Group (K Kieburtz, primary author). Controlled trial of lazabemide in levodopa-treated Parkinson's disease . Movement Disorders 1993; 8:411.

94. Brin MF, Friedman A, Greene P, Blitzer A, Shale H, Pullman S, Bressman SB, Burke RE, Fahn S. Botulinum toxin type A (BTX-A) for dystonia: A decade of experience with 1913 patients. Focus on Dystonia, March 25, 1994, Rome Italy.

95. Brin MF, Sadiq S, Goodman R, Ford B, Perez E, Fahn S. Intrathecal baclofen (IT-B) for dystonia. Neurology 1994;44 (Suppl 1):A338 .

96. Brin MF, de Leon D, Busenbark K, Pahwa R, Marjama J, Petzinger G, Bentivoglio A, Lynch T, Winfield L, Rasnick H, Boinoff J, Bressman SB, Diamond B, Giladi N, Ford B, Fahn S, Koller W. Essential Tremor: Clinical Characteristics of 5 Large North American Kindreds. Movement Disorders 1994 (Abst).

97. Hyland K, Bottiglieri T, Engle T, LeWitt PA, the Parkinson Study Group. Pteridine and S-adenosylmethionine concentrations in CSF from unmedicated parkinsonians and controls . Neurology 1994; 44 (suppl 2):A154.

98. Casaceli C, Sotack J, Orme C, Rudolph A, Kieburtz K and the Parkinson Study Group. Electronic events coding . Controlled Clinical Trials 1994; 15:89.

99. Orme C, Casaceli C, Randolph H, Rudolph A and the Parkinson Study Group. Verification and tracking of records in a clinical trial database . Controlled Clinical Trials 1994; 15:92.

100. LeWitt P, Aizenman E, Newcomer T, Loeffler D and the Parkinson Study Group. The search for an endogenous neurotoxin in Parkinson's disease: TOPA and TOPA-quinone . Mov Disord 1994; 9:482.

101. LeWitt P, Oakes D, Cui L, and the Parkinson Study Group. Endpoints for the study of Parkinson's disease progression . Mov Disord. 1994; 9:480.

102. Brin MF. Botulinum toxin: Perspective on clinical use. Movement Disorders 1995;10:362.

103. Brin MF, Blitzer A, Stewart C, Diamond B, Lovelace RE. Botulinum toxin for spasmodic dysphonia (laryngeal dystonia): double blind placebo controlled assessment of dose and technique. Movement Disorders 1995;10:369.

104. Winfield L, Bressman S, Brin M, Kao R, Fahn S. The psychosocial impact of progression of Parkinson's disease (PD). Movement Disorders 1996; 11 (Suppl 1):159.

105. Petzinger GM, Stewart C, Kandji AG, Brin M, Greene P, Bressman S, Fahn S. Thalamotomies and speech impairment in idiopathic torsion dystonia (ITD). Movement Disorders 1996; 11 (Suppl 1):229.

106. Olanow CW, Germano I, Brin MF, Swope D, Weisz D. Deep brain stimulation of the subthalamic nucleus for Parkinson's disease. Mov.Disord. 1996;11:598-599.

107. Eidelberg D., J. R. Moeller, A. Antonini, K. Kazumata, M. F. Brin, S. B. Bressman, and S. Fahn. Abnormal metabolic brain networks in DYT-1 dystonia. Neurology 1997: A62.

108. Swope D. M., M. F. Brin, I. Germano, and C. W. Olanow. Acute stimulation failure in an advanced Parkinson's disease (PD) patient treated with deep brain stimulation (DBS). Neurology 1997: A431.

109. Walker R. H., A. Melnick, M. Walsh, R. Davidoff-Feldman, and M. F. Brin. Dominantly inherited chorea-parkinsonism-dementia-acanthocytosis with red cell protein membrane

abnormalities. Annals of Neurology 1997: 407.

110. Walker R. H., H. Spiera, and M. F. Brin. Parkinsonism associated with Sjogren's syndrome. Annals of Neurology 1997: 411.

111. Binder W, Brin MF, Blitzer A, Schenrock L, Diamond B. Botulinum toxin type A (BTX-A) for migraine: an open label assessment. Mov.Disord. 1998;13:241

112. Brin MF, Germano I, Danisi FO, Weisz D, Gracies JM, Eidelberg D, Bucobo JC, Olanow CW. Deep brain stimulation (DBS) of pallidum in intractable dystonia. Mov.Disord. 1998;13:274.

113. Germano IM, Villalobos H, Weisz D, Brin MF, Olanow CW. Image-guided computer-assisted technology as adjuvant for placement of deep brain stimulators. Mov.Disord. 1998;13:264.

114. Gracies JM, Bucobo JC, Danisi FO, Germano I, Brin MF, Olanow C. Proposal for a method of stimulation parameter adjustment after deep brain stimulation for Parkinson's disease (PD). Mov.Disord. 1998;13:50.

115. Morrison CE, Borod JC, Raskin SA, Brin MF, Germano IM, Weisz D, Olanow CW. Cognitive effects of brain surgery and stimulation in Parkinson's disease. Clinical Neuropsychologist 1998;12:256.

116. Morrison CE, Borod JC, Danisi FO, Germano IM, Weisz D, Olanow CW, Brin MF. Cognition and deep brain stimulation in two dystonia patients. Mov.Disord. 1998;13:25.

117. Walker RH, Danisi FO, Germano I, Goodman RR, Brin MF. Equipment-related complications of intrathecal baclofen therapy. Mov.Disord. 1998;13:69.

118. Walker RH, Danisi FO, Brin MF. Mexiletine and hyperkinetic movement disorders. Neurology 1998;50:A357.

119. Page CE, Klein C, Ozelius LJ, Gordon MF, LeWitt PA, Brin MF. Genetic analysis of three patients with dystonia and deletion in chromosome 18p. Neurology 1998;50:A427-A427.

120. Brashear, A., Lew, M., Dykstra, D. D., Comella, C., Factor, S. A., Rodnitzky, R., Trosch, R., Singer, C., Brin, M. F., Murray, J. J., Wilmer-Hulme, A., Wallace, J. D., and Koller, M. Safety and efficacy of Neurobloc (botulinum toxin type-B) in type-A responsive cervical dystonia patients. Neurology 1999; 52 (Suppl. 2), A292-A293.

121. Brin, M. F., Lew, M. F., Adler, C. H., Comella, C., Factor, S. A., Jankovic, J., O'Brien, C. F., Murray, J. J., Wallace, J. D., Wilmer-Hulme, A., and Koller, M. Safety and efficacy of Neurobloc (botulinum toxin type-B) in type-A resistant cervical dystonia (CD) patients. Neurology 1999;52 (Suppl. 2), A293.

122. Purohit, D. P., Walker, R., Brin, M., and Perl, D. P. Clinicopathologic study of a case of

dystonia with putaminal degeneration of unknown etiology. J Neuropath Exper Neurol 1999;58:555.

123. Walker, R. H., Swope, D., Danisi, F. O., Germano, I. M., Goodman, R. R., and Brin, M. F. Intrathecal baclofen therapy for dystonia. Neurology 1999;52 Suppl. 2, A521.

124. Shashidharan, P., Kramer, B., Good, P. F., Walker, R. H., Hsu, A., Perl, D. P., Olanow, C. W., and Brin, M. F. Immunoreactivity of torsin-A in normal human brain and in Lewy bodies of Parkinson's disease brain. Soc.Neurosci.Abstr. 25, 2115. 1999.

125. Benabou R, Brin MF, Doucette JT. Botox(R) lots 79-11 and 2024: A retrospective analysis in the clinical management of cervical dystonia (CD). Mov.Disord. 1999;15 (Suppl 2):28.

126. Brin MF. Clinical trials for cervical dystonia (CD): Introductory comments. Mov.Disord. 1999;15 (Suppl 2):6.

127. Brin MF, Comella C, O'Brien C, Jankovic J, Benabou R, Jaglin J, Johnston T, Judd D, Hunter C. An interim analaysis of the clinical status of patients receiving Current Botox (R) (lot 2024 or subsequent lots) for the treatment of cervical dystonia (CD). Mov.Disord. 1999;15 (Suppl 2):28-29.

128. Brin MF, Binder WJ, Blitzer A, Schoenrock LD, Pogoda JM. Botulinum toxin for headache: data and a review. Mov.Disord. 1999;15 (Suppl 2):12.

129. Factor S, Adler CH, Brashear A, Brin MF, Comella CL, Dykstra DD, Jankovic J, Lew MF, O'Brien C, Rodnitzky RL. Safety and efficacy of Neurobloc(TM) (botulinum toxin type B) in type-A responsive and type-A resistant patients with cervical dystonia. Mov.Disord. 1999;15 (Suppl 2):7.

130. Adler CH, Brin MF, Factor SA, Sethi KD, Newman S. Secondary non-responsiveness to botulinum toxin type A in patients with oromandibular dysonia. J.Neurology 2000;247 (Suppl 3):81-81.

131. Bressman SB, Raymond D, de Leon D, Fahn S, Burke RE, Brin MF, Saunders-Pullman RJ, Wendt KJ, Kramer PL, Breakefield XO, Ozelius LJ, Risch NJ. Validity of definite, probable, and possible dystonia as diagnostic categories. Neurology 2000;54 (Suppl 3):A118.

132. Doheny D, Brin MF, Smith C, Morrison C, Walker R, Abassi S, Klein C, Ozelius L, de Leon D, Silverman J. Phenotypic features of myoclonic dystonia in two kindreds. Mov.Disord. 2000;15 (Suppl 3):162.

133. Gracies JM, Danisi FO, Brin MF, Olanow CW. Transient muscle twitch and paresthesiae as surrogate markers for tremor reduction in determining optimal electrode configuration following deep brain stimulation. Mov.Disord. 2000..

134. Gracies JM, Danisi FO, Brin MF, Olanow CW. Deep brain stimulation of the subthalamic nucleus for tremulous Parkinson's disease: potential role of direct cortispinal activation.

Mov.Disord. 2000..

135. Klein C, Kramer PL, Friedman J, Kurlan R, Saunders-Pullman R, Leung J, Garrells J, Schilling K, Raymond D, de Leon D, Schwinger E, Vieregge P, Bressman S, Brin MF, Ozelius L. Myoclonus-dystonia is linked to chromosome 7q in five out of six families. Neurology 2000;54 (Suppl 3):A264-A265.

136. Morrison C, Smith C, Doheny D, de Leon D, Walker R, Abassi S, Klein C, Ozelius L, Borod J, Silverman J, Brin MF. Neurocognitive features of myoclonic dystonia. Neurology 2000;54 (Suppl 3):A310.

137. Shashidharan P, Brin MF, Gujjari P, Walker RH, Olanow CW. PC12 cells expressing human recombinant torsinA reveal properties of a heat shock protein. Soc Neuroscience 2000..

138. Walker RH, Brin MF, Sandu D, Gujjari P, Mytilineou C, Hof PR, Ledoux MS, Evinger C, Olanow CW, Shashidharan P. Immunohistochemical studies of torsinA in animal models of dystonia. Mov.Disord. 2000;15 (Suppl 3):138.

139. Walker RH, Muralidharan N, Gujjari P, Hof P, Olanow CW, Brin MF, Shashidharan P. Distribution and immunohistochemical characterization of torsinA-immunoreactive neurons in rat and macaque brain. Neurology 2000;54 (suppl 3):A54.

140. Walker RH, Reichler B, Germano IM, Brin MF. Spasticity in Friedreich's ataxia treated with intrathecal baclofen. Mov.Disord. 2000;15 (Suppl 3):420-421.

141. Abbasi S, Danisi FO, Brin M. Dopamine agonist pramipexole (Mirapex) in dystonia. Mov.Disord. 2000;15 (Suppl 3):161.

142. Abbasi S, Danisi FO, Blitzer A, Sulica A, Brin M. Palatal Myoclonus(PM). Phenotype of 15 patients. Mov.Disord. 2000;15 (Suppl 3):106.

143. Beric A, Sterio D, Moggilner A, Zonenshayn M, Brin MF, Olanow C, Gracies JM. Changes in the STN neuronal activity after GPi stimulation in PD patient. Mov.Disord. 2000;15 (Suppl 3):72.

144. Brin M, Doheny D, Castellani R, de Leon D. Neuropathology of myoclonic dystonia with the dopamine D2 Receptor (DRD2) mutation. Mov.Disord. 2000;15 (Suppl 3):163.

145. Brin MF. Medical and surgical treatment of dystonia. Mov.Disord. 2000;15 (Suppl 15):11.

146. Danisi F, Abbasi S, Brin M. A case of atypical Huntington's disease: early onset, prolonged survival, negative family history. Mov.Disord. 2000;15 (Suppl 3):244

147. Brin MF, Blitzer A, Stewart CF, Diamond B, Pogoda JM. Botulinum toxin type A for adductor spasmodic dysphonia (laryngeal dystonia): double-blind placebo-controlled assessment of dose and technique. Neurology 2001;56 (Suppl 3):A346

148. Doheny D, Brin MF, Morrison C, Smith C, Danisi F, Velickovic M, Leung J, Breakefield XO, Klein C, Ozelius L, Silverman J. Myoclonus dystonia: study of a family with a novel DYT1 mutation. Neurology 2001;56 (Suppl 3):A122

149. Velickovic M, Brin MF, Schilsky ML. Wilson's disease and speech impairment. Neurology 2001;56 (Suppl 3):A119-A120

150. Walker RH, Sandu D, Good PF, Morgello S, Brin MF, Shashidharan P. TorsinA immunoreactivity in patients with movement disorders. Neurology 2001;56 (Suppl 3):A441

151. Comella CL, Jankovic J, Daggett S, Mordaunt J, Brin MF. Interim results of an observational study of neutralizing antibody formation with the current preparation of botulinum toxin type-A treatment for cervical dystonia. Neurology 2004;62 (Suppl 5):A511

152. Glaser DA, Lowe NJ, Eadie N, Daggett S, Mordaunt J, Kowalski JW, Brin MF. 52-Week prospective randomized, double-blind placebo-controlled safety and efficacy study of 2 dosages of botulinum toxin type-A treatment for primary axillary hyperhidrosis. Neurology 2004;62 (Suppl 5):A422-A423

153. Turkel C, Bowen B, Liu J, Brin MF. A Pooled Analysis of the Safety of Botulinum Toxin Type A in the Treatment of Post-Stroke Spasticity. Arch.Phys.Med.Rehab. 2004;

154. Dodick DW, Mauskop A, Elkind AH, DeGryse R, Brin MF, Silberstein SD. Botulinum toxin type A for the prophylaxis of chronic daily headache: Subgroup analysis of patients not receiving other prophylactic medications (a randomized double-blind, placebo-controlled study). Neurology 2005;64:A422

155. Dodick DW, Mauskop A, Elkind AH, Mathew NT, DeGryse R, Brin MF, Silberstein SD, Allergan. Botulinum toxin type A for the prophylaxis of chronic daily headache in migraineurs: Subgroup analysis of patients not receiving concomitant prophylaxis. Eur Federation Neurological Soc 2005;2145.

156. Glaser DA, Coleman III WP, Daggett S, Brin M. Efficacy and safety of repeated botulinum toxin type A treatment for primary axillary hyperhidrosis: 12-month interim analysis of a multicenter, open-label trial. Am Acad Derm 2005;15-16.

157. Naumann M, Hamm H, Glaser DA, Daggett S, Kumar C, Weng Y-S, Brin MF. Toxin neutralizing antibody formation with botulinum toxin type A treatment in the treatment of primary axillary hyperhidrosis. Eur Federation Neurological Soc 2005;P2356.

158. Naumann M, Kumar C, Weng Y-S, Brin M, Allergan. Toxin neutralizing antibody formation with botulinum toxin type A treatment in the treatment of primary axillary hyperhidrosis. Am Acad Derm 2005;20.

159. Yablon S, Daggett S, Lai F, Brin M. The development of toxin neutralizing antibodies with botulinum toxin type A (BoNTA) treatment. Toxins Meeting 2005;ABS-85.

160. Yablon SA, Daggett S, Brin MF. Toxin neutralizing antibody formation with botulinum toxin type A (BoNTA) treatment in neuromuscular disorders. Neurology 2005;64:A72.

161. Yablon SA, Dagget S, Lai FKH, Brin MF. Toxin neutralizing antibody formation with botulinum toxin type A (BoNTA) treatment. Eur Federation Neurological Soc 2005;2357

162. McAllister P, Bigal ME, Molho E, Freeman A, Dimitrova R, Brin MF. The prevalence of headache attributed to craniocervical dystonia in patients with craniocervical dystonia: A multicenter, descriptive epidemiology study. Headache. 2006;46:837-838.